Students pursuing a BS degree in Biology, with a focus on cellular and molecular biology, take two years of mandatory core courses in biology, chemistry, math and physics. Additionally, 21 credits in advanced biology courses (300- or 400-level) are required for graduation. A minimum of 2 courses must include a laboratory component; no more than one of these lab courses can be fulfilled by Research Project (BIO 440 or BIO 441).

**Strongly recommended coursework**

BIO 333  General Genetics  
BIO 427  Molecular Biology  
BIO 434  Advanced Cell Biology

**Other suggested coursework**

BIO 310  Infections and Immunology  
BIO 321  General Microbiology  
BIO 411  Proseminar (some topics)  
BIO 421  Developmental Biology  
BIO 422  Immunology  
BIO 430  Biological Statistics  
BIO 442  Advanced Genetics  
CHM 411  Biochemistry  
ENL 264  Communicating in the Sciences

**Students interested in pursuing an advanced degree are advised to take these courses:**

MTH 151, 152  
PHY 113, 114

**Potential careers**

Research technician (federal, state, private or academic lab)  
Pharmaceutical or biotechnology scientist or manager  
Forensic technician  
Genetic counselor  
Clinical technician  
Science educator  
Scientific journalist

Revised: 7/30/15